

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-5 (cancelled)

Claim 6 (presently amended): A method of receiving a signal, comprising:  
comparing an input voltage to a first reference voltage; ~~that is activated and a~~  
~~second reference voltage that is deactivated; and;~~

comparing said input voltage to a second reference voltage, wherein either  
said first reference voltage or said second reference voltage is active;

selecting an output voltage based on said the difference between said input  
voltage and the active reference voltage of either said first reference voltage or said  
second reference voltage;

changing said output voltage when said input voltage crosses the one of said  
activated reference voltage first reference and said second reference that is  
activated; and;

changing the activated reference voltage activating said second reference and  
deactivating said first reference when said input crosses said activated voltage the  
one of said first reference and said second reference that is deactivated.

Claim 7 (presently amended): The method of claim 6, further comprising:  
holding said output voltage for a period of time without regard to said input  
signal voltage crossing said one of said first reference and said second reference  
that is activated reference voltage.

Claims 8 and 9 (cancelled)

Claim 10 (presently amended): An apparatus, comprising:  
a first comparator, ~~having a first output;~~ that compares a first reference voltage to an input signal, said first comparator comprising a first comparator output;  
a second comparator, ~~having a second output;~~ that compares a second reference voltage to said input signal, said second comparator comprising a second comparator output;  
a selector comprising at least one selector input, a selector output, and a selector control, said at least one selector input being connected to said first comparator output and said second comparator output, said selector passing the voltage of that passes one of said first comparator output and said second comparator output to a receiver an output of said device via said selector output depending upon which of said first reference voltage and said second reference voltage is activated; and;  
an activator/deactivator comprising at least one input and at least one output, said at least one input being operatively connected to said first comparator output and said second comparator output, said at least one output being operatively connected to said selector control, said activator/deactivator controlling that controls said selector depending upon the state of said first output and said second output.

Claim 11 (presently amended): The apparatus of claim 10, comprising:  
a holder that prevents said receiver output from changing for a period of time after a change in which of said first reference voltage and said second reference voltage is activated and which is deactivated.

Claims 12-15 (cancelled)

Claim 16 (new): The apparatus of claim 11, wherein said holder comprises a delay circuit.

Claim 17 (new): The apparatus of claim 11, wherein said holder comprises a at least two inverters, wherein an input of a first inverter is connected to the output of

a second inverter and the output of said first inverter is connected to the input of said second inverter.

Claim 18 (new): The apparatus of claim 10, wherein said selector is a multiplexor.

Claim 19 (new): The apparatus of claim 10, wherein said activator/deactivator is a flip-flop circuit.

Claim 20 (new): An electronic circuit comprising:

a first comparator comprising a first comparator first input, a first comparator second input, and a first comparator output, said first comparator first input being connectable to an input voltage, said first comparator second input being connected to a first reference voltage;

a second comparator comprising a second comparator first input, a second comparator second input, and a second comparator output, said second comparator first input being connectable to an input voltage, said second comparator second input being connected to a second reference voltage, said second reference voltage being less than said first reference voltage;

an AND gate, wherein a first input of said AND gate is connected to said first comparator output and a second input of said AND gate is connected to said second comparator output;

a NOR gate, wherein a first input of said NOR gate is connected to said first comparator output and a second input of said NOR gate is connected to said second comparator output;

a flip-flop circuit comprising a flip-flop first input that is connected to the output of said AND gate, a flip-flop second input that is connected to the output of said NOR gate, and a flip-flop output; and

a multiplexor comprising a multiplexor first input that is connected to said first comparator output, a multiplexor second input that is connected to said second comparator output, a multiplexor control that is connected to said flip-flop output, and a multiplexor output that is the output of said electronic circuit.

Claim 21 (new): The electronic circuit of claim 20 and further comprising:  
a delay circuit, where an input of said delay circuit is connected to said flip-flop output;

an exclusive NOR gate, wherein a first input of said exclusive NOR gate is connected to said flip-flop output and wherein a second input of said exclusive NOR gate is connected to an output of said delay circuit; and

a switch comprising a switch input, a switch output, and a switch control, said switch input being connected to said multiplexor output, said switch output being the output of said electronic circuit, said switch control being connected to the output of said exclusive NOR gate.

Claim 22 (new): The electronic circuit of claim 20 and further comprising a holding circuit operatively connected to said switch output.